



Activ™
AUTOMATED DUMP
STATION (ADS)

www.nsc-betterbuilt.com



Activ™ Automated Dump Station (ADS) *Patent Pending*

The BetterBuilt Activ™ Automated Dump Station (ADS) is part of the Activ™ Automation suite of solutions which actively solve operational and worker safety concerns in laboratory animal research facilities. Using fixed controlled movements through pneumatics and drives, soiled rodent cages are dumped and scraped automatically in an enclosed environment limiting allergen exposure to operators.

Automatic or Manual Mode

The Activ™ ADS Automated Dump Station can be operated in manual mode if required. During manual operation an operator can manually dump the soiled bedding into the integral dump station. In manual mode the downdraft dust collection unit and Sure-Flo™ Soiled Bedding Handling system will continue to operate if so equipped.

Fully Enclosed Cabinet

The entire unit is fully enclosed to limit allergen exposure to operators in the surrounding area. Integration to the optional external downdraft dust collector system is recommended. The unit is provided with a hinged access door or removable drive section for troubleshooting purposes or for manual operation.

Integral Dump Station

The integral dump station can be provided for either mobile collection bins which allow for manual disposal of soiled bedding or direct connection to the inlet port of a Sure-Flo™ S200 Soiled Bedding Handling System for automatic removal of soiled bedding.

Pneumatic Vertical Door

A pneumatically operated vertical lift door with viewing window is provided at the load end of the unit. The door will operate automatically as required during the processing of soiled cages.

Powered Roller Conveyor

Cages are transported through the automated dump station by powered 2" diameter stainless steel rollers, on 3" centers with PVC sleeves for noise reduction and cage protection. The rollers are interconnected through o-rings which further reduce noise and provide increased safety.





Controls

The Activ™ ADS unit for stand alone applications is provided with independent controls featuring a microprocessor control system with touch screen, On/Off switch, Start, Stop and E-Stop buttons.

Clean-out and Service Access

Large access panels are located on both sides of the lower hopper to aid in maintenance.

Parts and Service

A preventative maintenance program is required for warranty purposes and is available from local factory trained independent service groups. All components are non-proprietary and are available from local suppliers or the factory.

Optional Allergen Dust Collector

Integration to the external downdraft dust collector is recommended to limit operator exposure to harmful allergens during the dumping process. The stand alone unit is quiet, efficient and effective in reduction of allergen exposure.

Optional Loading System

A cantilevered load shuttle tray and docking system combined with the B236 Material Handling Bulk Truck, or Queue Stations are available to assist in ease of loading cages.

Optional Reject Station

When continuous operation is paramount, we provide an optional reject station which removes non-conforming cages to a staging area automatically; allowing the operation of automatic cage dumping to continue.

Optional Manual Dump Drawer

A manual dump drawer is available for operators to quickly dump soiled bedding into the Activ™ ADS unit without interrupting operation.

Optional Full Integration

The Activ™ ADS unit can be fully integrated with our advanced Activ™ IAS Integrated Automation Solution group of products, and with our Activ™ View data collection and control system.



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APPLICATION

The BetterBuilt Activ™ Automated Dump Station (ADS) can be a stand alone unit or integrated with a BetterBuilt T200 Series Tunnel Washer to provide a safe work environment for users by automatically dumping and scrapping soiled cages in an enclosed stainless steel cabinet.

Note: Custom sized cabinets are available, contact BetterBuilt or your local representative for further details. Due to continued engineering improvements, specifications are subject to change without notice.

* Specific to Stand-alone models.
 ** Specific to Integrated models.

STAND-ALONE MODEL

STAND-ALONE MODEL	CAGES / ROW	OVERALL W x H x L
ADS3	3	38 x 80-15/32 x 69-3/8" 965 x 2044 x 1762 mm
ADS4	4	50 x 80-15/32 x 69-3/8" 1270 x 2044 x 1762 mm
ADS6	6	62 x 80-15/32 x 69-3/8" 1575 x 2044 x 1762 mm

INTEGRATED MODEL

INTEGRATED MODEL	CAGES / ROW	OVERALL W x H x L
ADS24	3	38 x 80-15/32 x 69-3/8" 965 x 2044 x 1762 mm
ADS30	3	44 x 80-15/32 x 69-3/8" 1118 x 2044 x 1762 mm
ADS36	4	50 x 80-15/32 x 69-3/8" 1270 x 2044 x 1762 mm
ADS42	5	56 x 80-15/32 x 69-3/8" 1422 x 2044 x 1762 mm
ADS48	6	62 x 80-15/32 x 69-3/8" 1575 x 2044 x 1762 mm

STANDARD FEATURES

- All Stainless Steel Construction
- Fixed Movement Operation
- Modular Component
- Automated Flip/Dump/Scraping
- Cage Separator
- Hinged Side Cover
- Automatic Pneumatic Vertical Lift Door
- Manual Bypass Operation
- Tower Light Status Indicators
- PLC Based Controls
- Stand-alone System
- Touchscreen Controls
- E-stop Controls
- Flexible Caging Operation
- Powered Roller Conveyor
- Fully Enclosed Cabinet
- Integral Bedding Dump Hopper
- Adjustable Stainless Steel Legs
- Clean-out and Service Access Doors
- Non-proprietary Components
- Mobile Collection Bin *
- Integrated to Sure-Flo™ S200 Soiled Bedding Handling System **

OPTIONAL FEATURES

- Right or Left Hand Configuration
- Integrated to External Dust Collector Unit
- Integrated to BetterBuilt® T200 Series Tunnel Washer
- Integrated to Soiled Bedding Vacuum System
- Integrated to Activ™ IAS Integrated Automation Solution
- Connect to Activ™ View Data Collection and Control System
- Unload Roller Extension
- Seismic Anchors
- 5" TFT Color Touchscreen Upgrade
- Stainless Steel Control Guard
- PLC and Touchscreen Program Backup
- Factory Ethernet Connectivity for Online Diagnostics
- Touchscreen Ethernet Web Server Connectivity
- Modem Connectivity for Factory Diagnostics
- Low Voltage Surge Protection
- Cantilevered Load Shuttle Tray
- Cantilevered Docking System to B236 Material Handling Bulk Truck
- Queue Stations**
- Mobile Collection Bin(s)
- Reject Station w/ Manual Dump Drawer **
- Queue Station Exhaust System w/ Plexiglass Cover **

ACCESSORIES

- Trolley Transports **
- Stainless Steel Enclosed Carts **
- B236 Material Handling Bulk Truck **

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